

FIG. 1

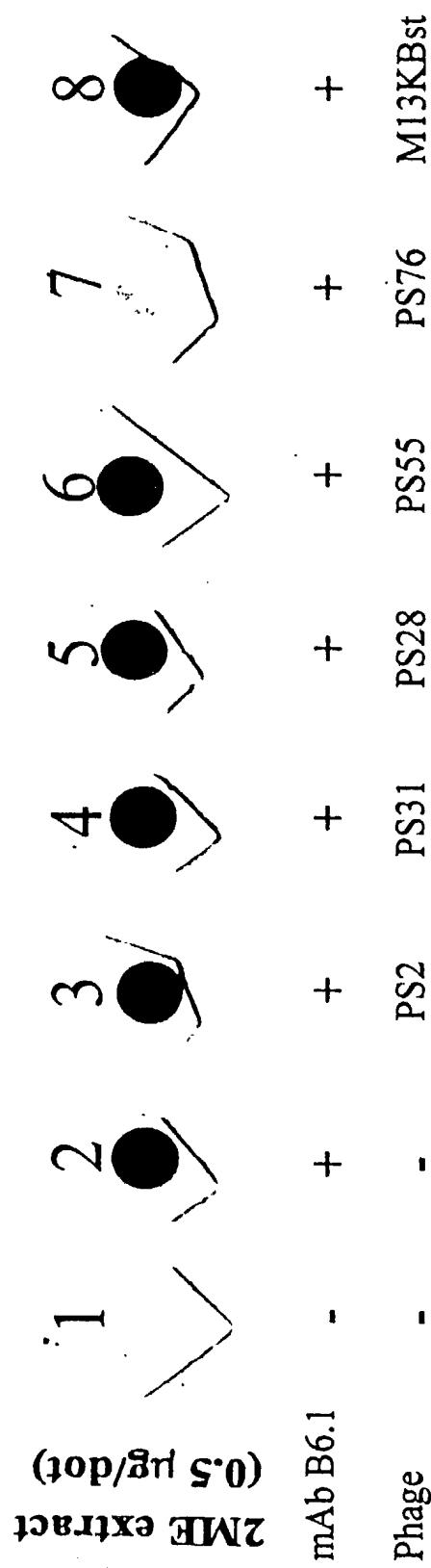


FIG. 2

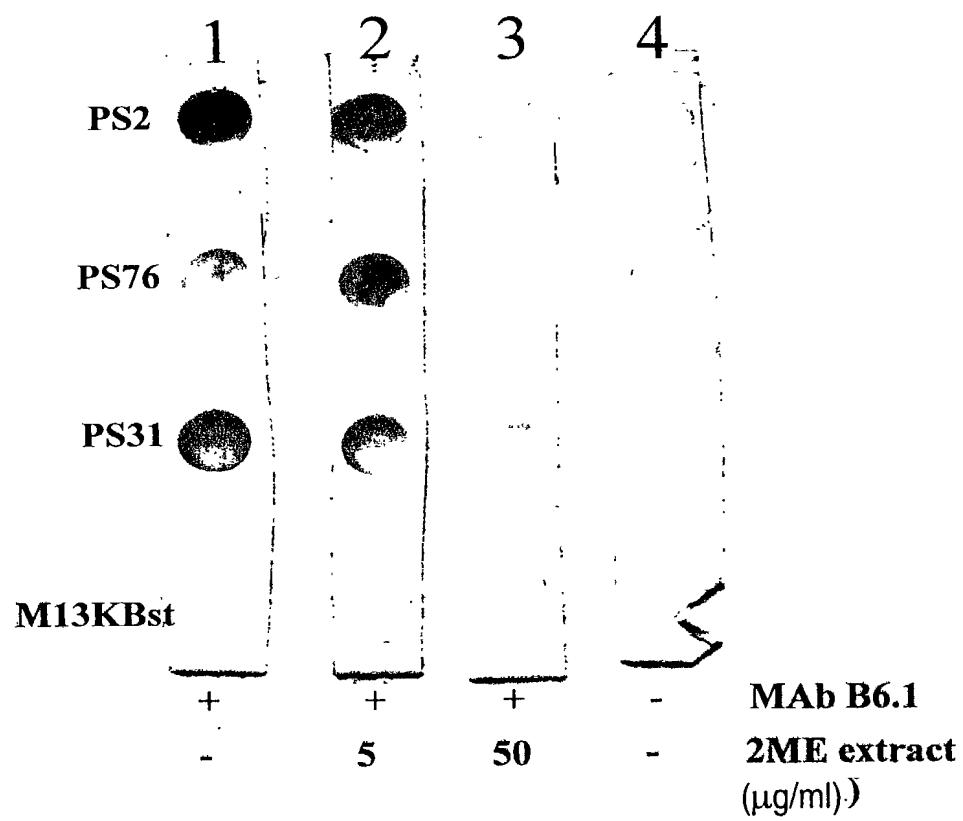
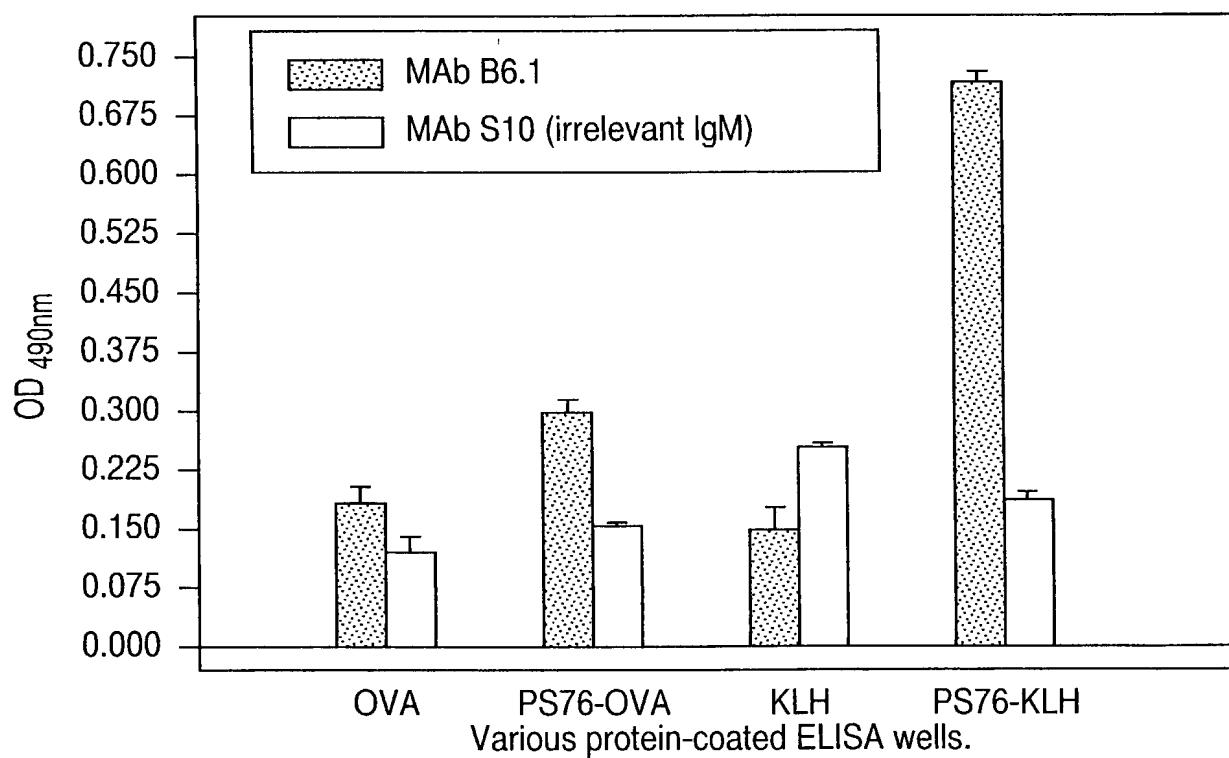
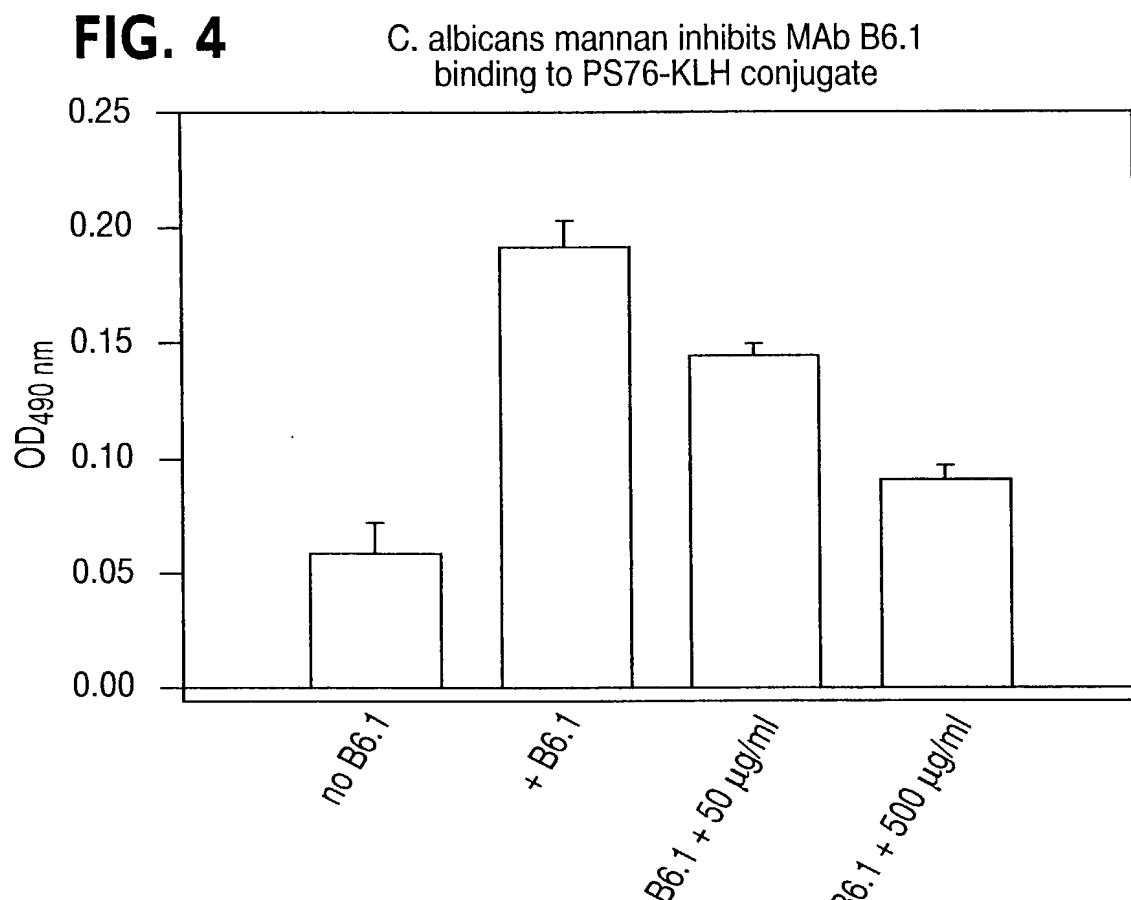


FIG. 3

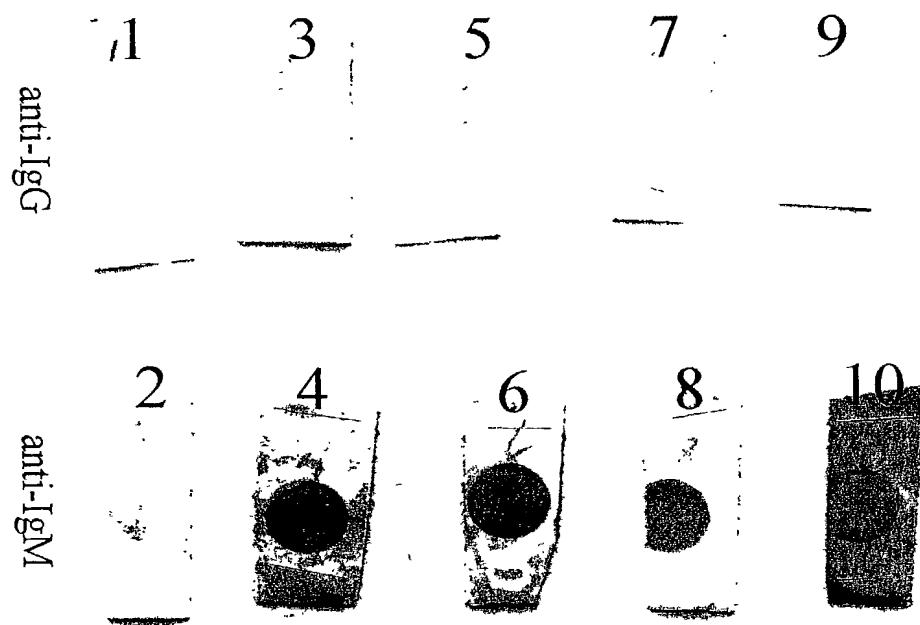
Reactivity of MAb B6.1 against
PS76-carrier protein conjugates





PS76-KLH coated ELISA wells incubated with
or without antibody plus 2 ME extract

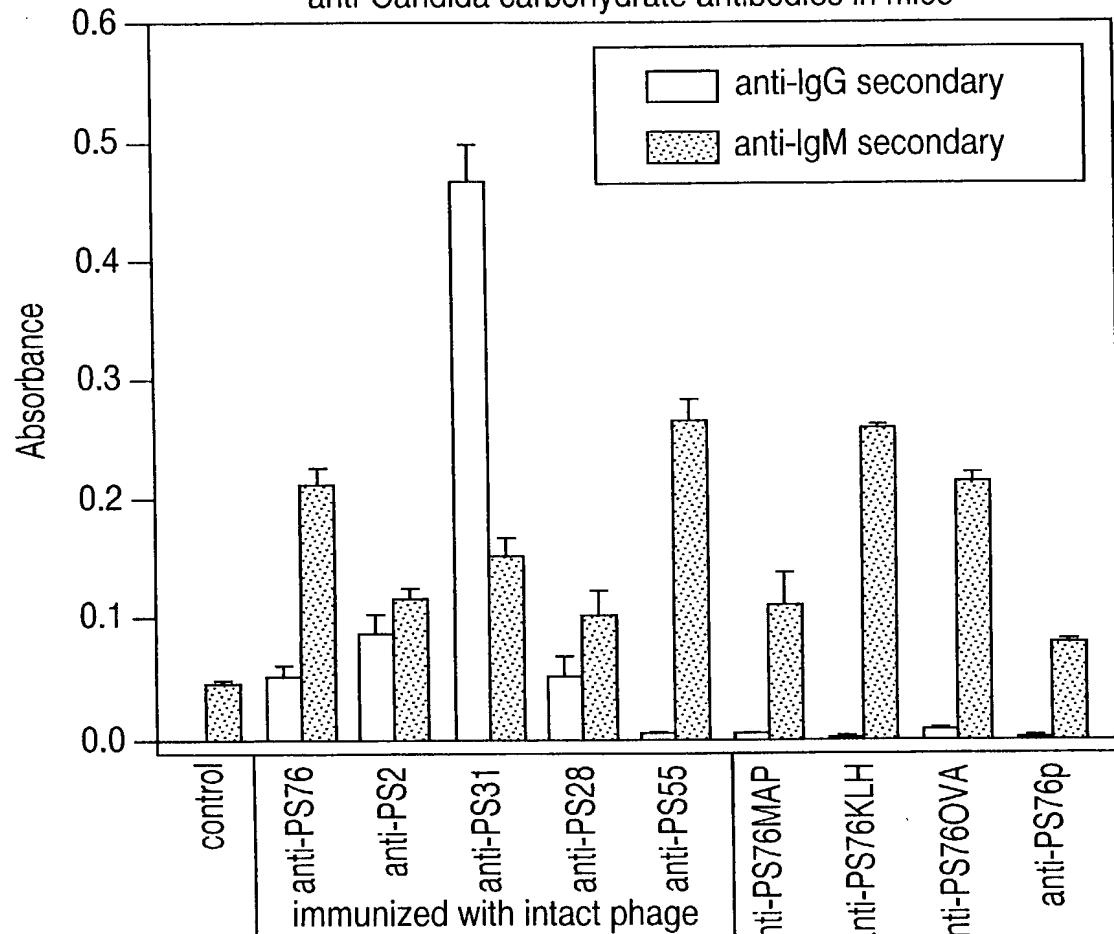
FIG. 5



Dots 1, 2 - normal mouse serum; Dots 3-10 - serum from peptide-immunized mice; Odd dots - IgG detection; Even - IgM detection

FIG. 6

Immunization with peptide mimotopes induces anti-Candida carbohydrate antibodies in mice



$$\text{Absorbance} = \text{OD}_{490\text{nm}} (\text{Ab} + 2\text{ME extract}) - \text{OD}_{490\text{nm}} (\text{Ab} + \text{irrelevant CHO})$$

Microtiter plate wells were coated with 2ME extract or an irrelevant carbohydrate. Mice were immunized with synthetic peptide, branched synthetic peptide, peptide carrier protein conjugates, or phage-displayed peptide mimotopes.

FIG. 7 Gene 3 protein of phage clone PS76

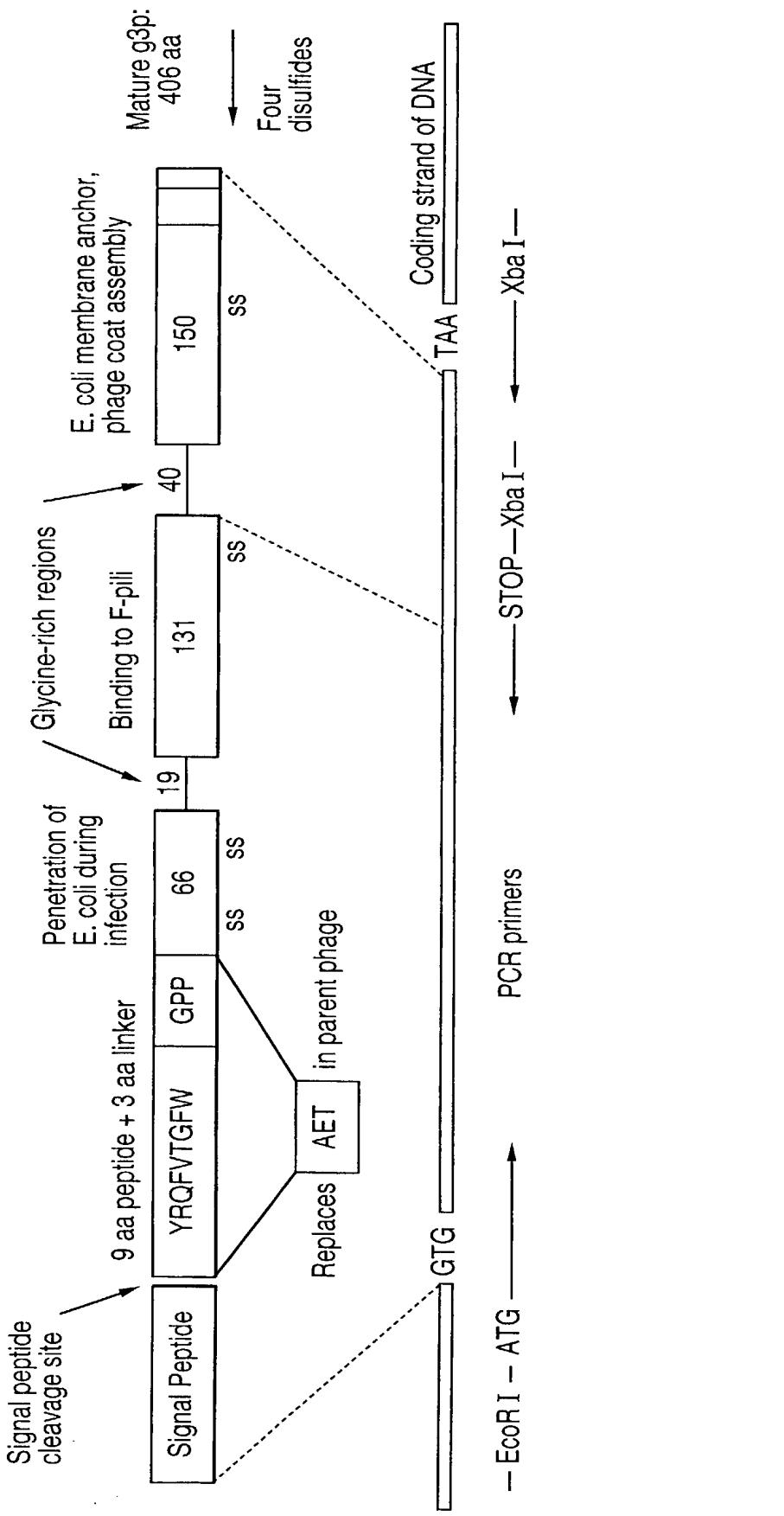


FIG. 8A

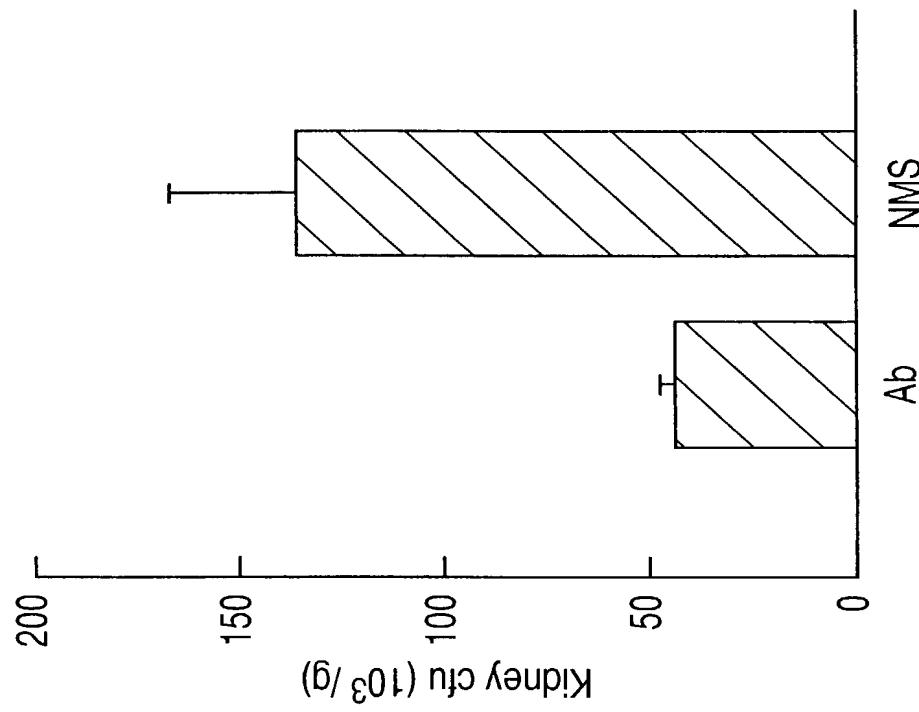


FIG. 8B

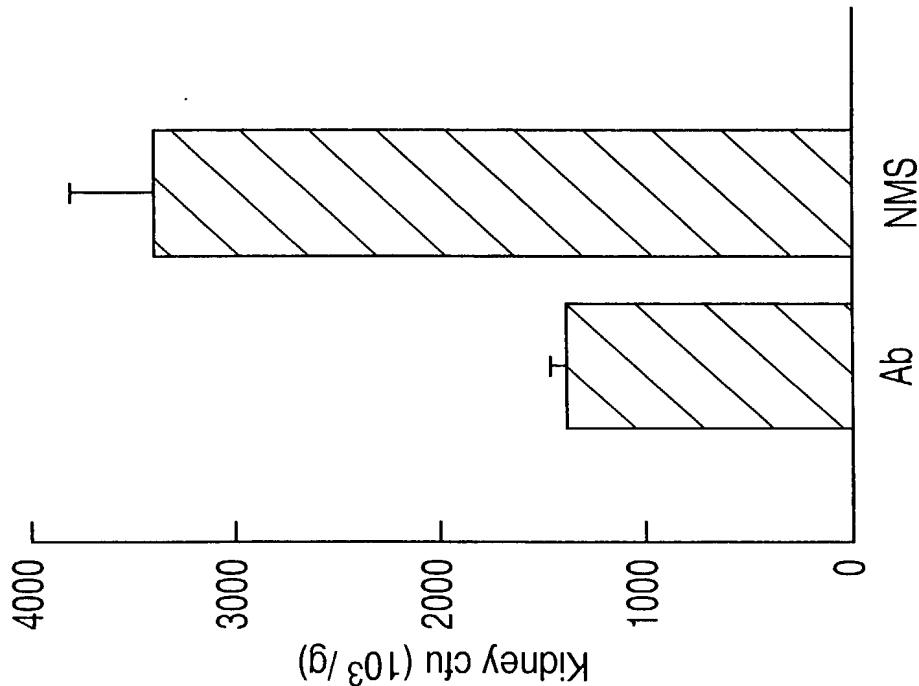


FIG. 9A

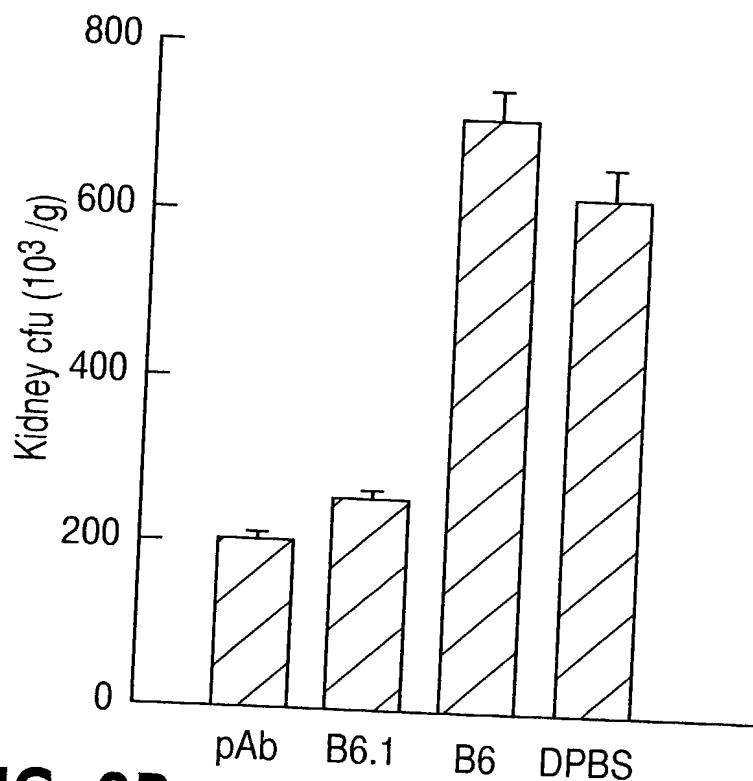


FIG. 9B

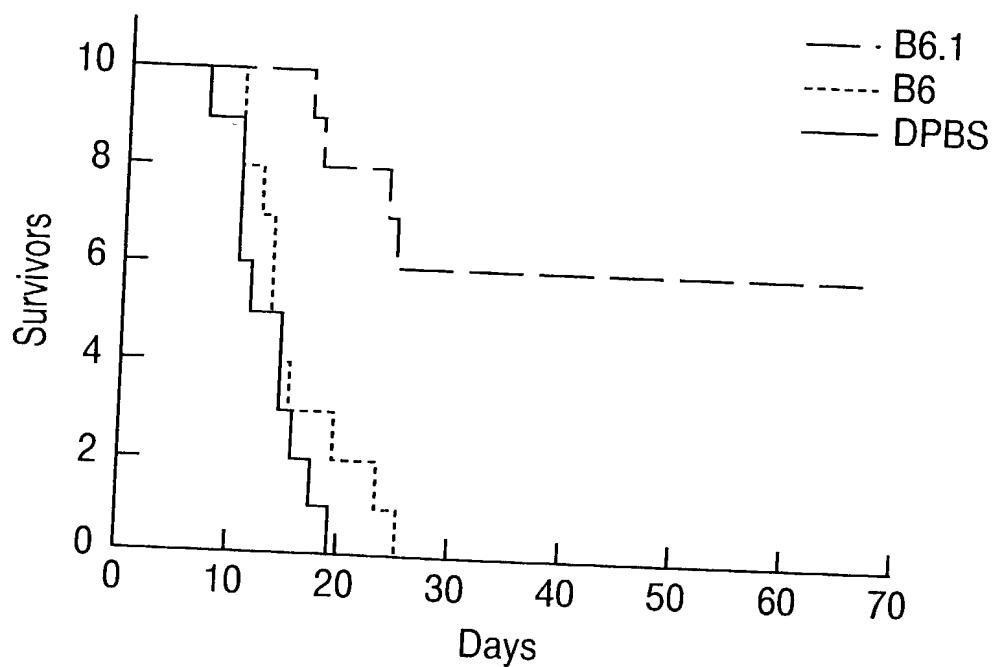
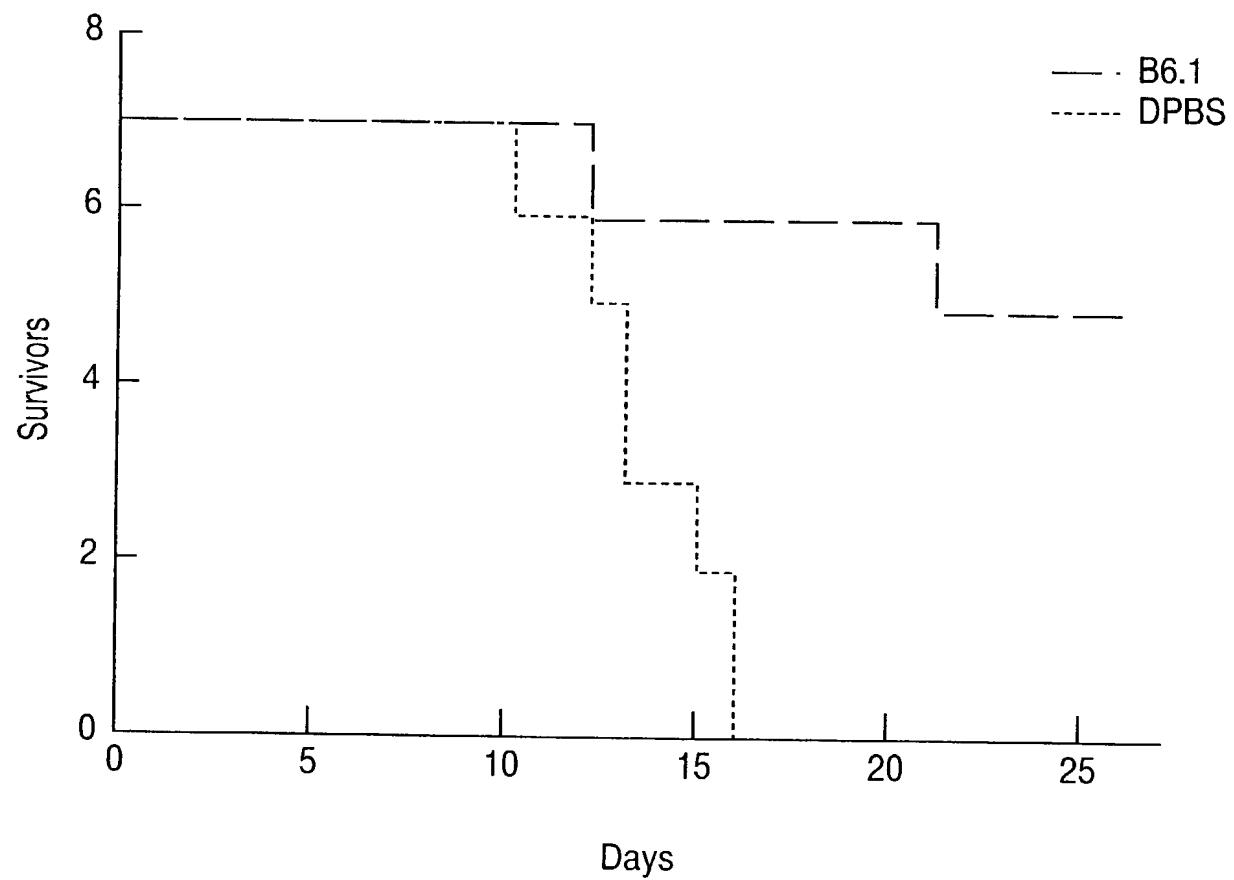


FIG. 10



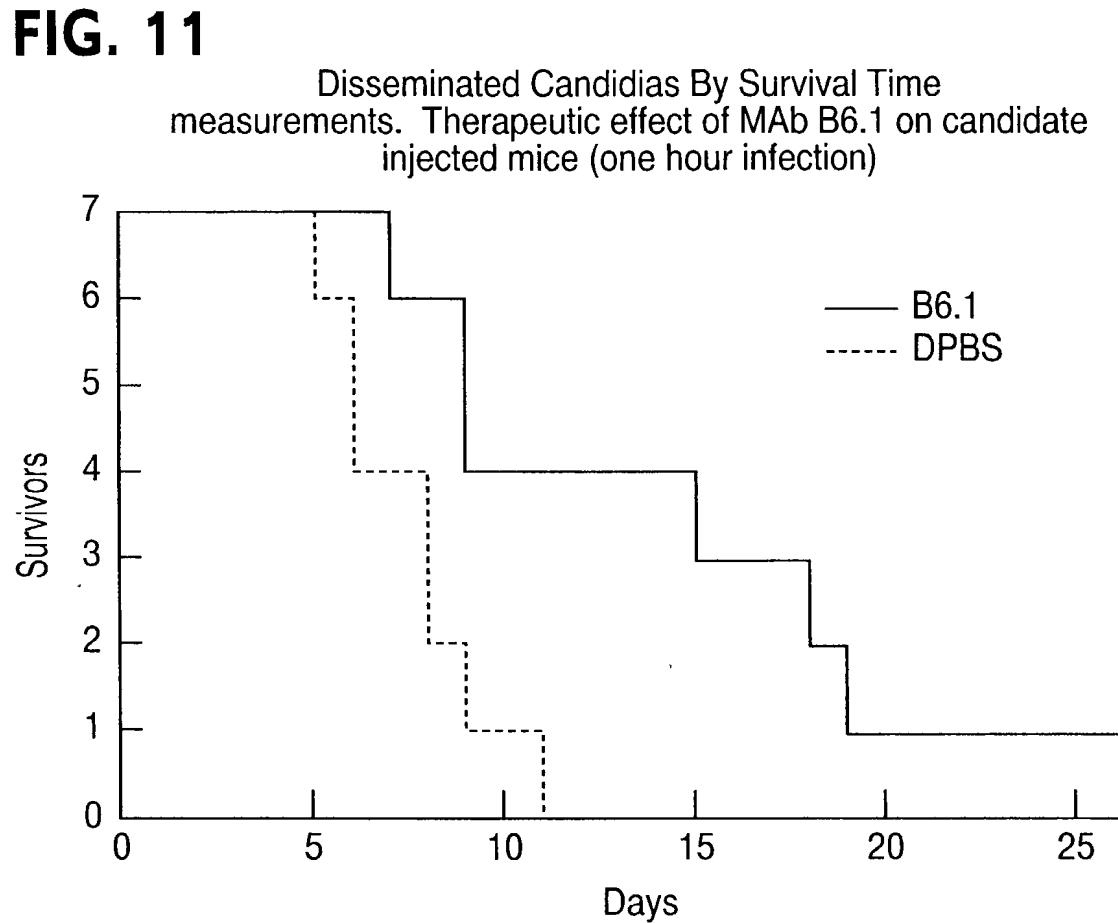


FIG. 12

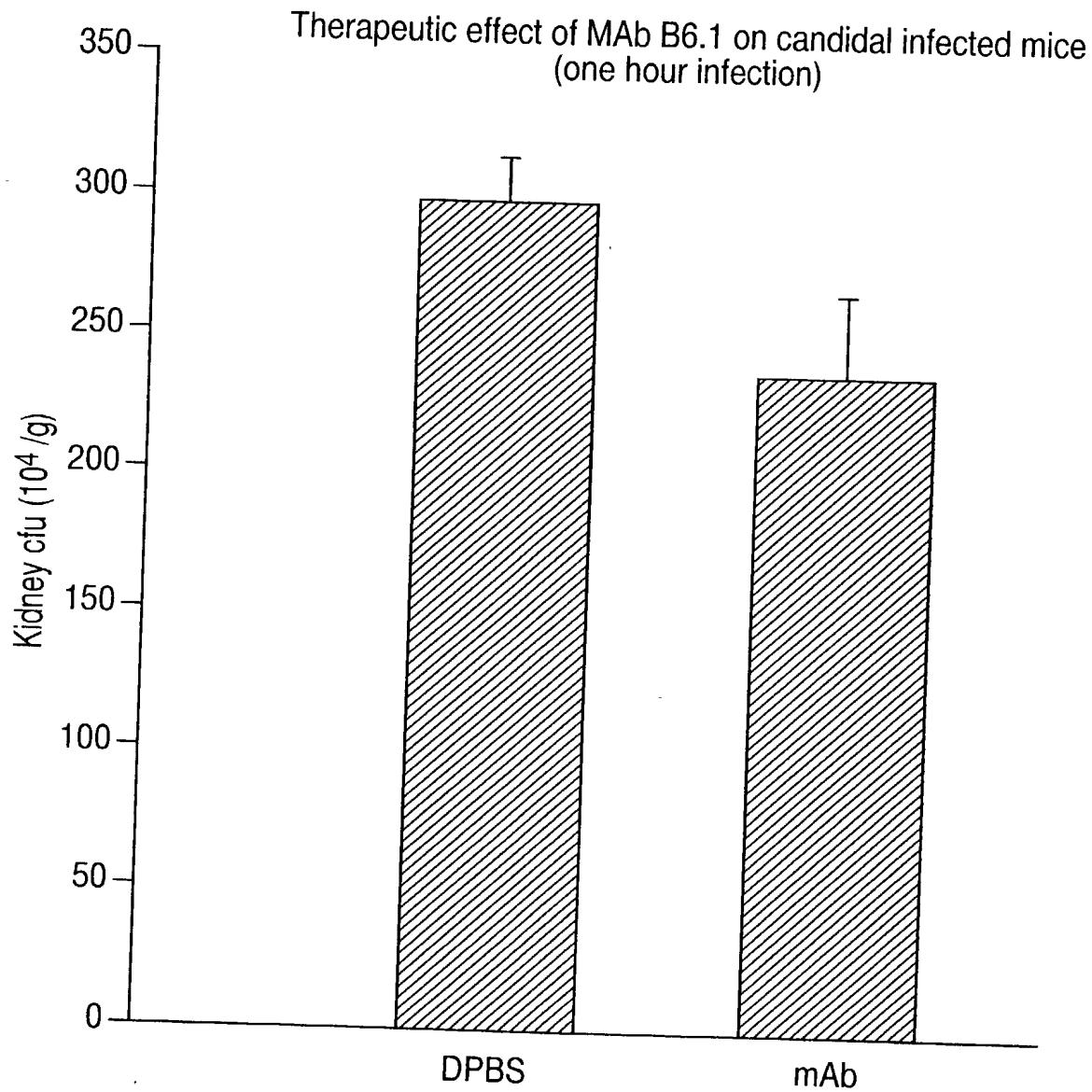


FIG. 13

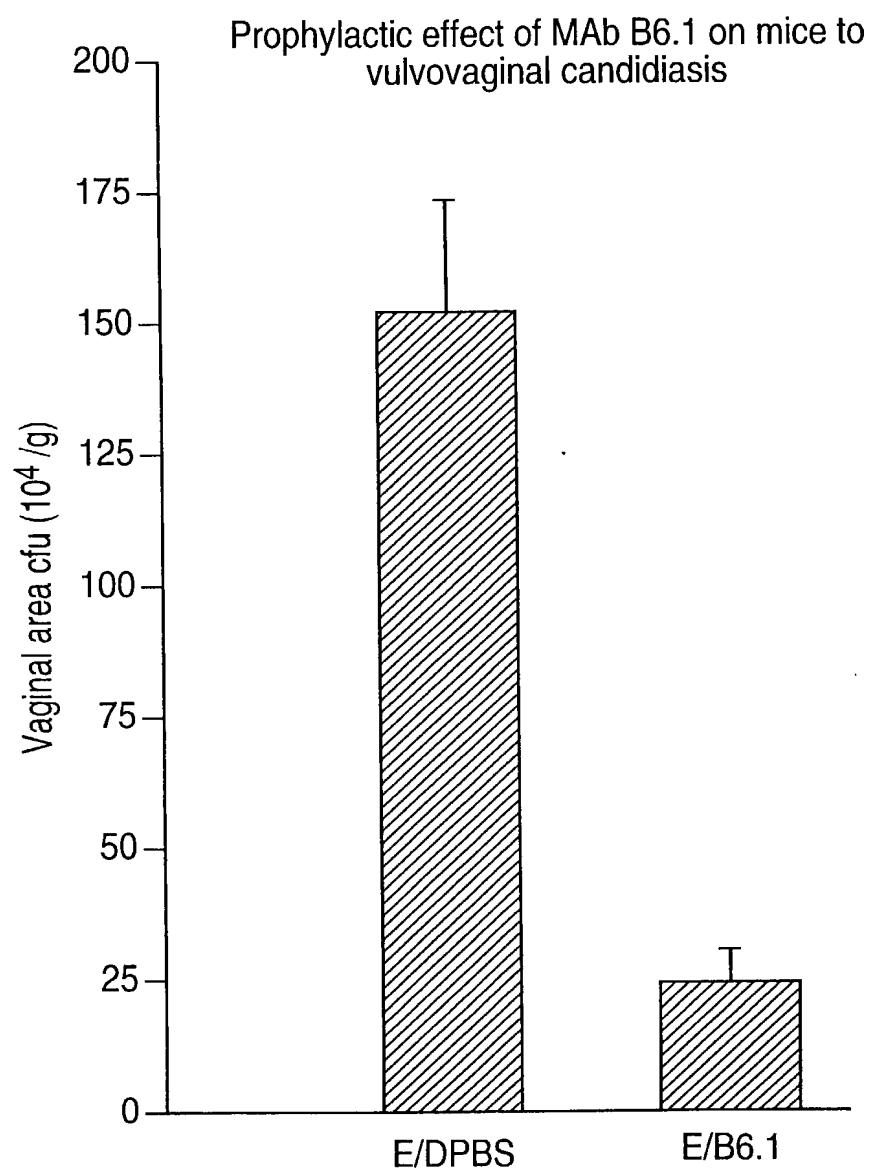


FIG. 14

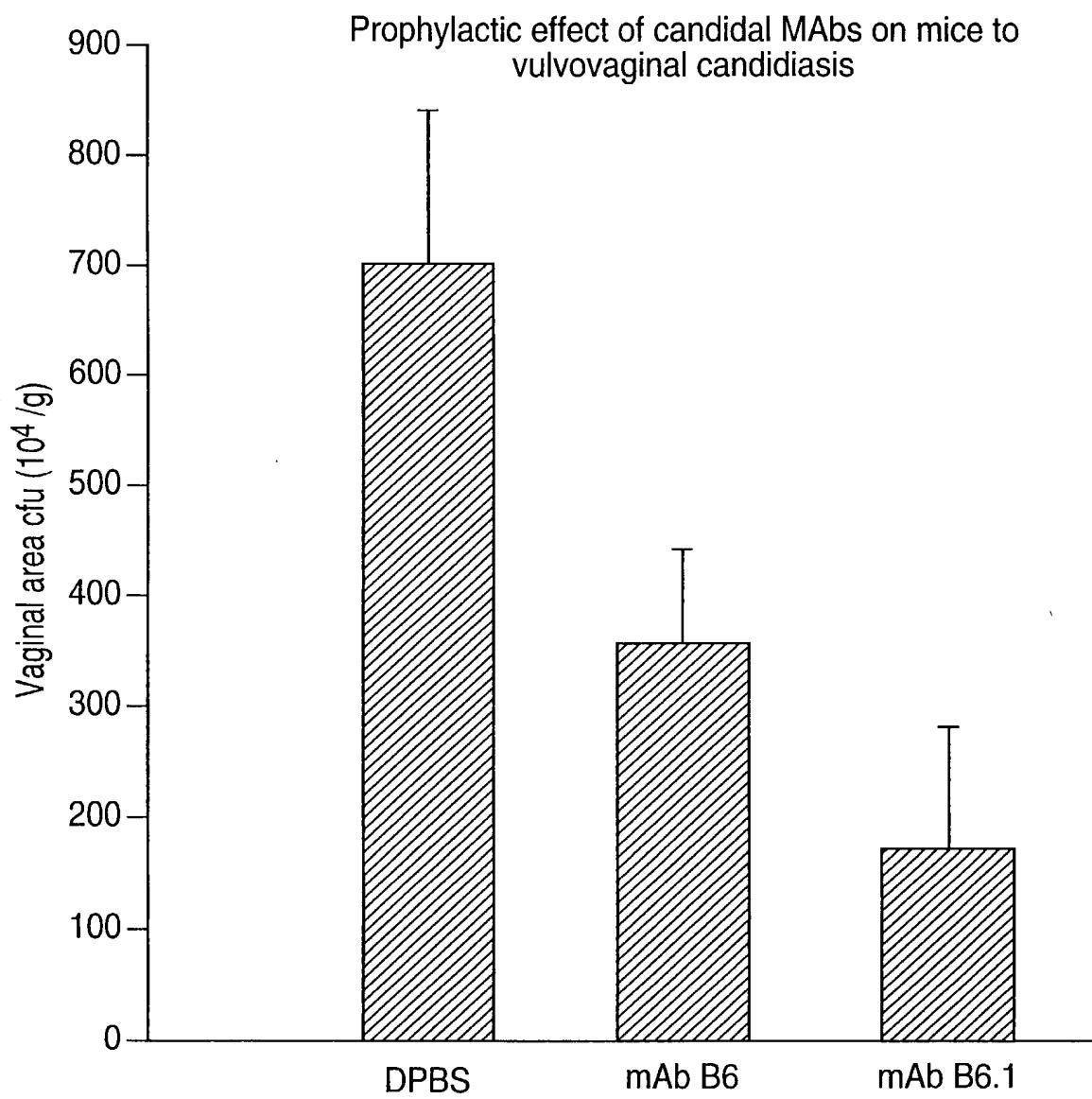
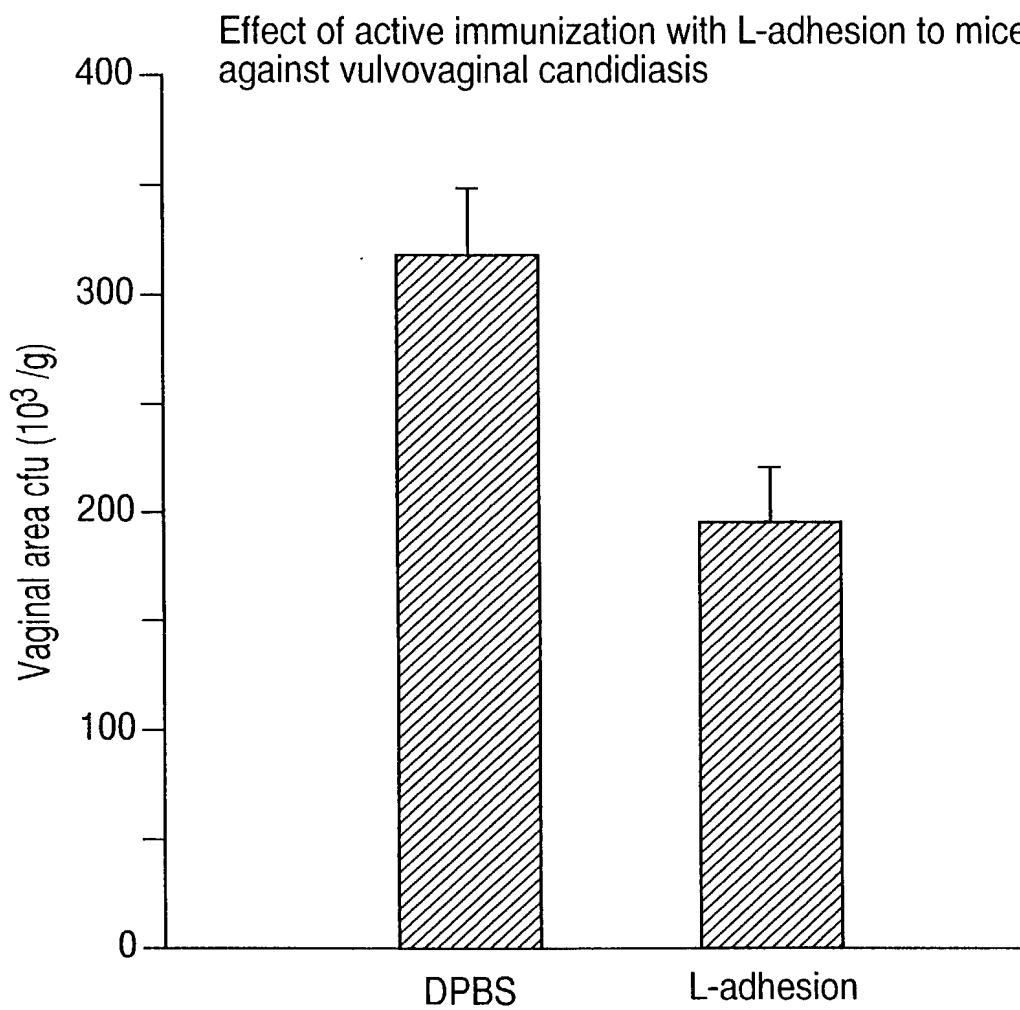


FIG. 15



L = liposome

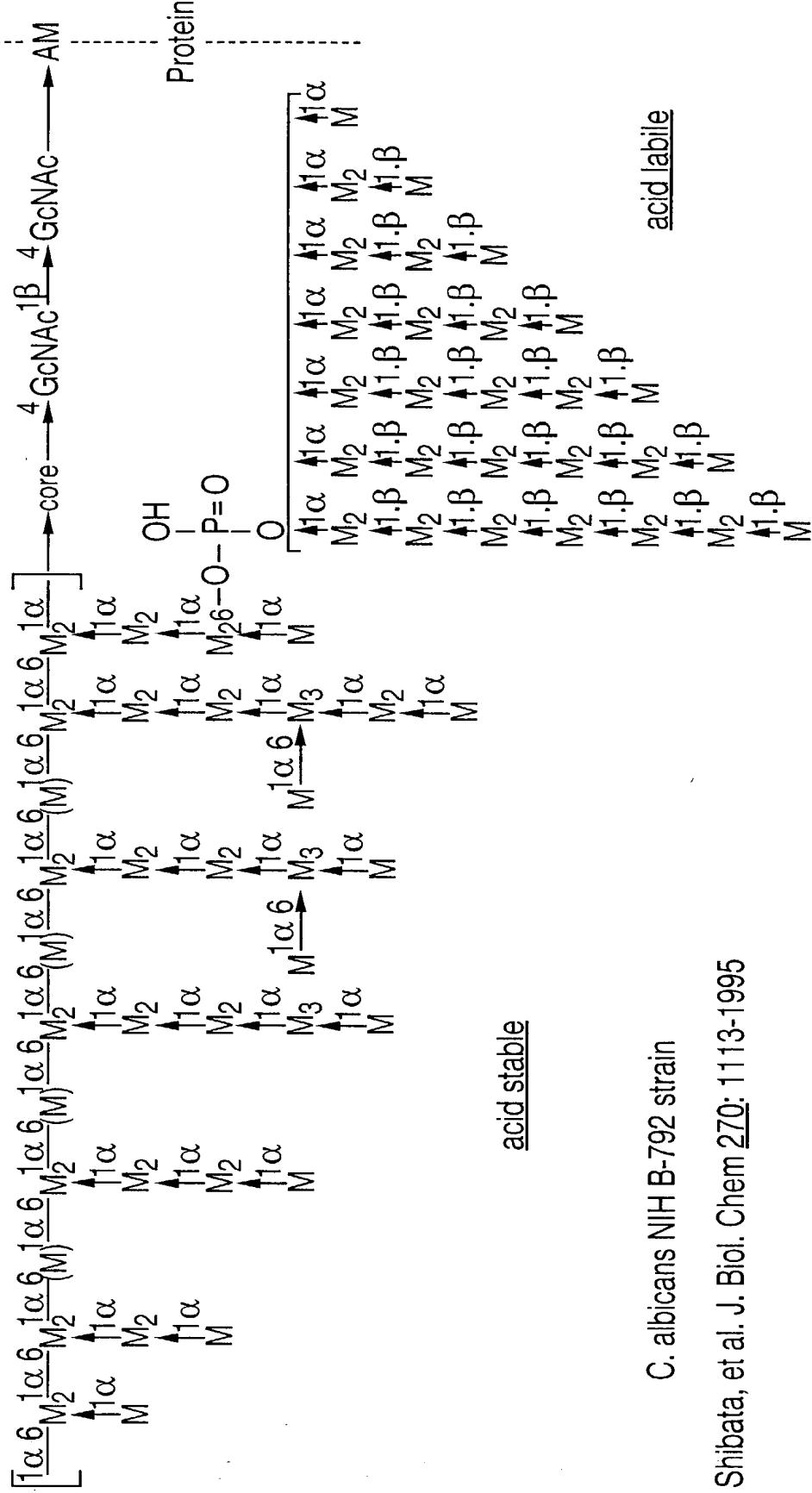
L02ME = liposome - 2ME vaccine prep. Animals received 0.2 ml i.v. (178 μ g 2ME in 0.2ml) weekly for 5 weeks.

Estriadiol was given subcu, 72 h later C. albicans (5x10⁵) gives intravaginally, 48h after infection vaginal cfu determined.

FIG. 16

Proposed structure of the phosphomannan complex
(PMC) - in this case, n-linkage to cell wall protein is shown.

The Phosphomannoprotein Complex



C. albicans NIH B-792 strain

Shibata, et al. J. Biol. Chem. 270: 1113-1995

FIG. 17

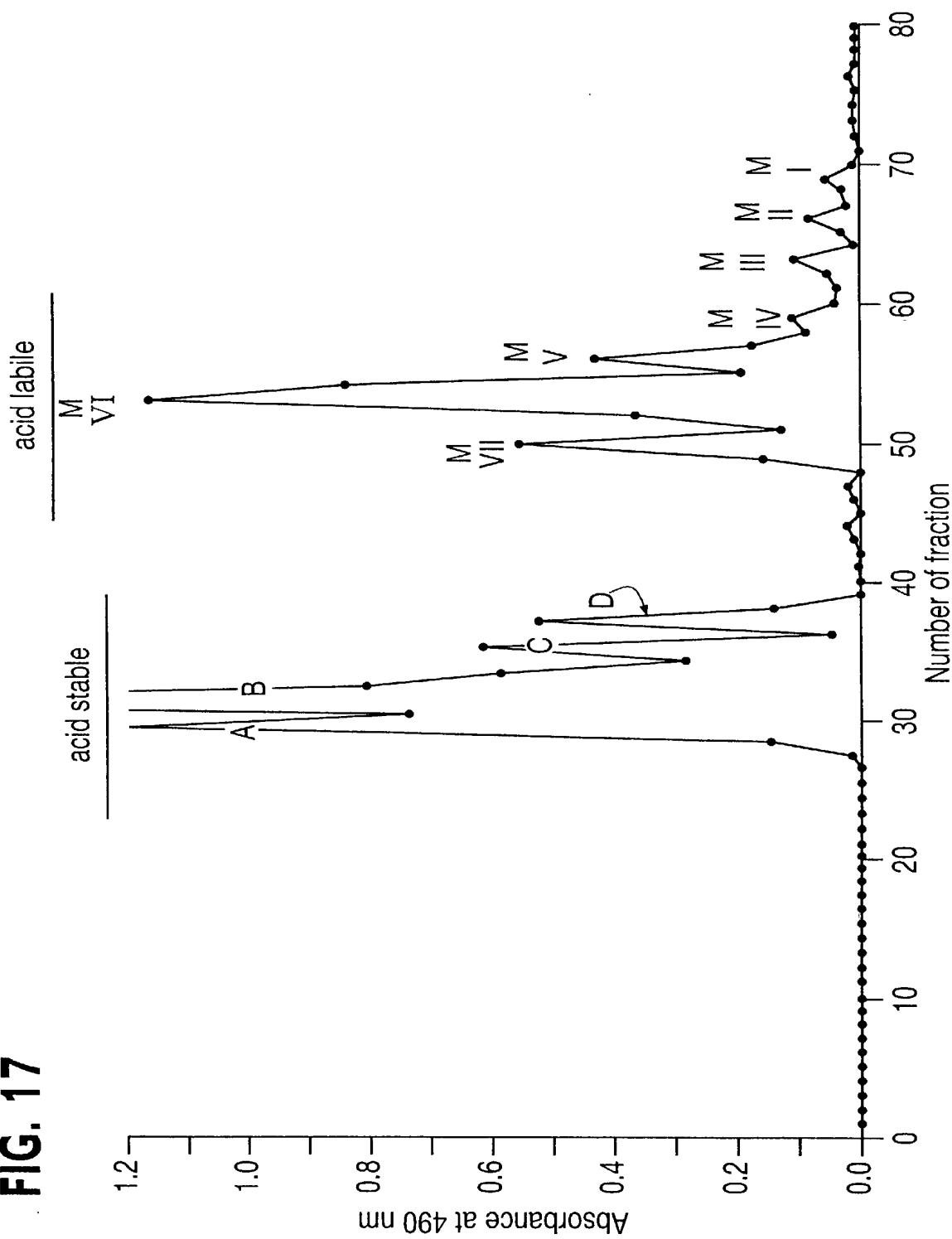
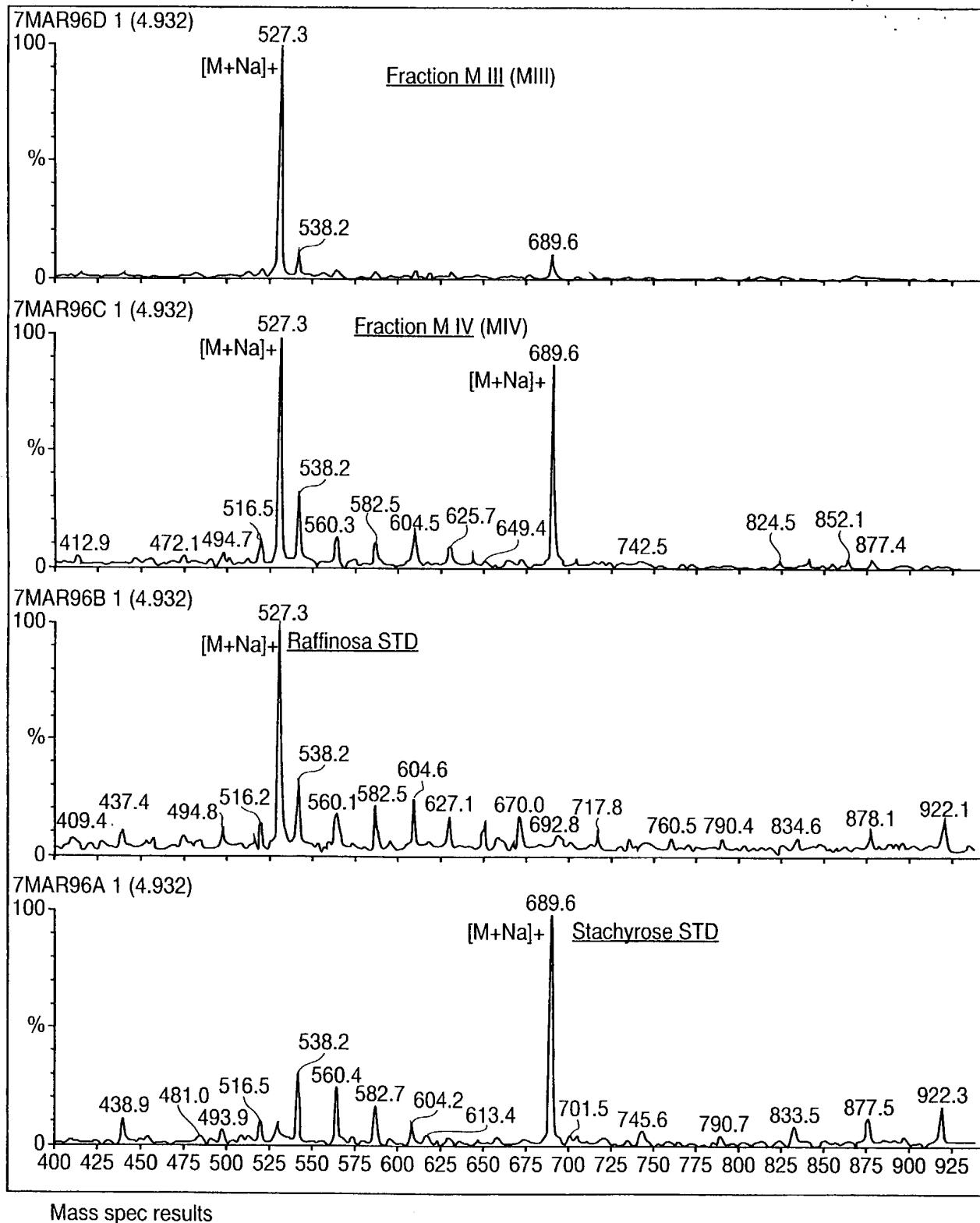
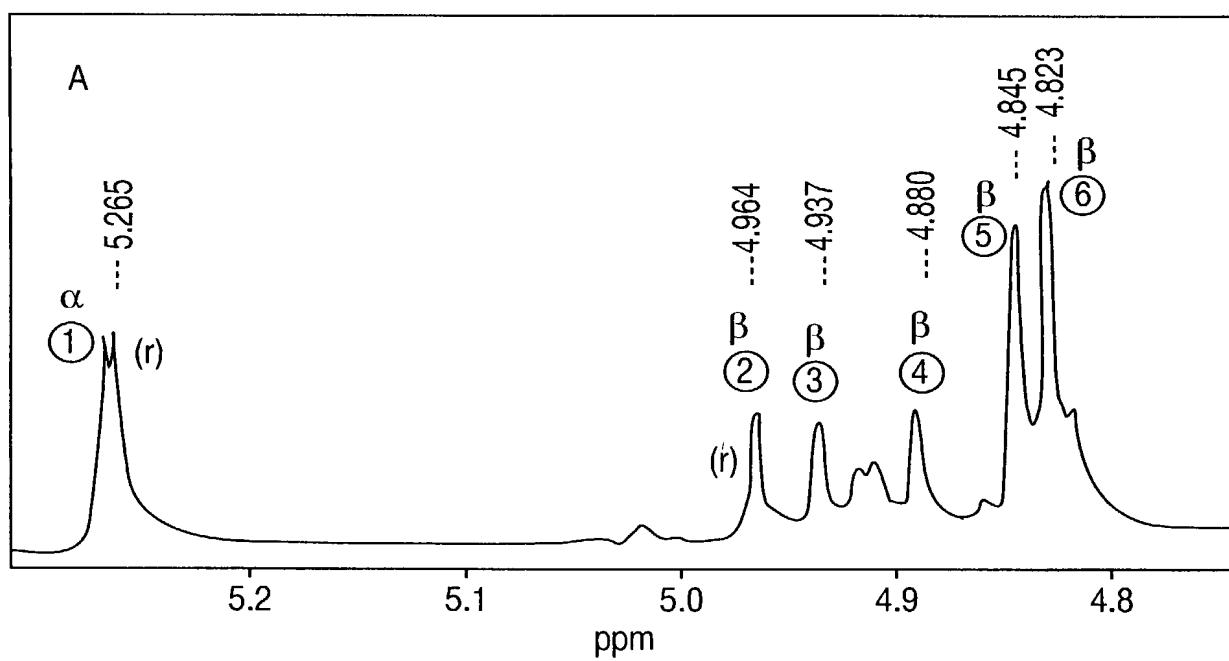


FIG. 18



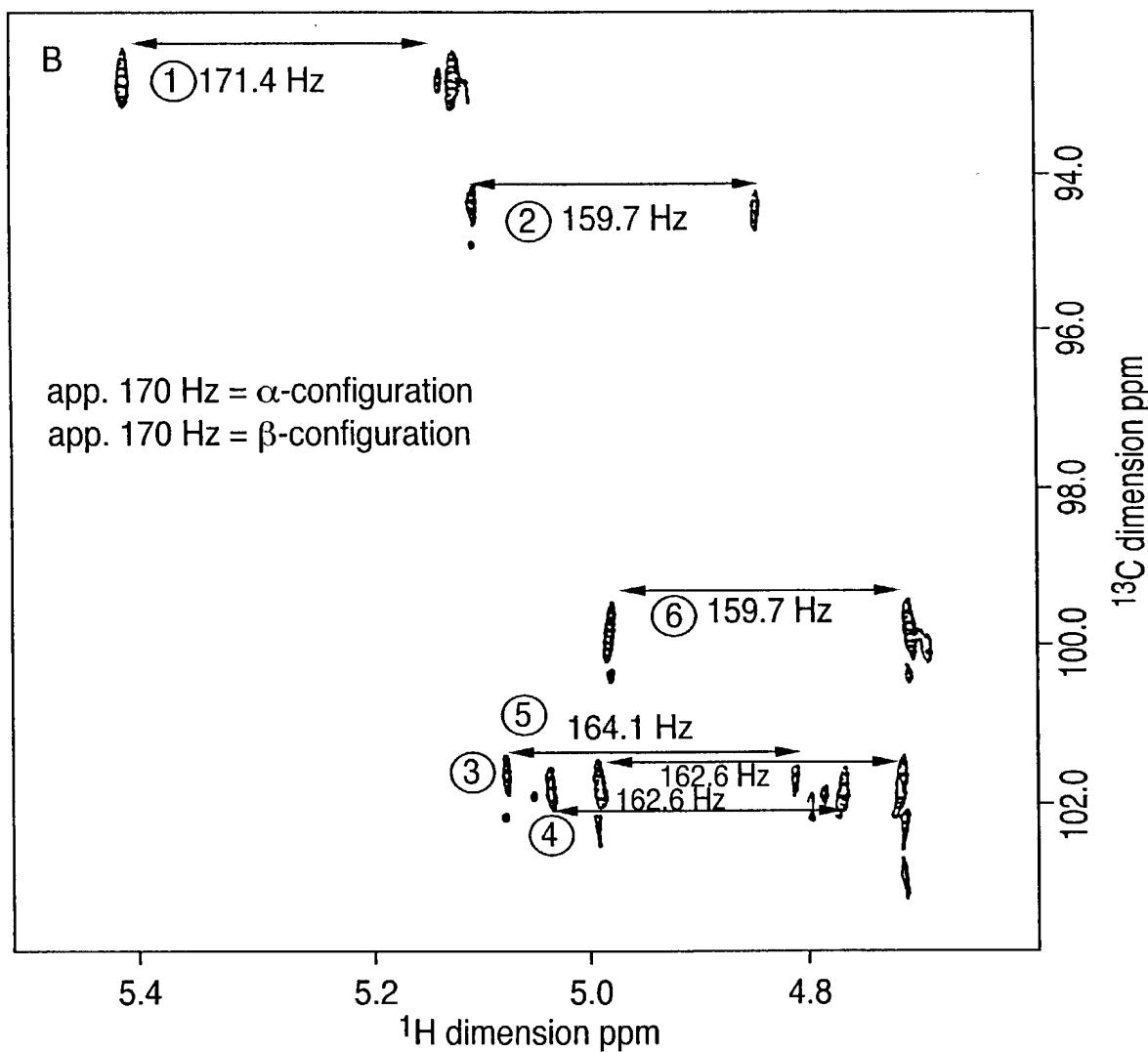
Mass spec results

FIG. 19



dimension H-nmr of B6.1 epitope

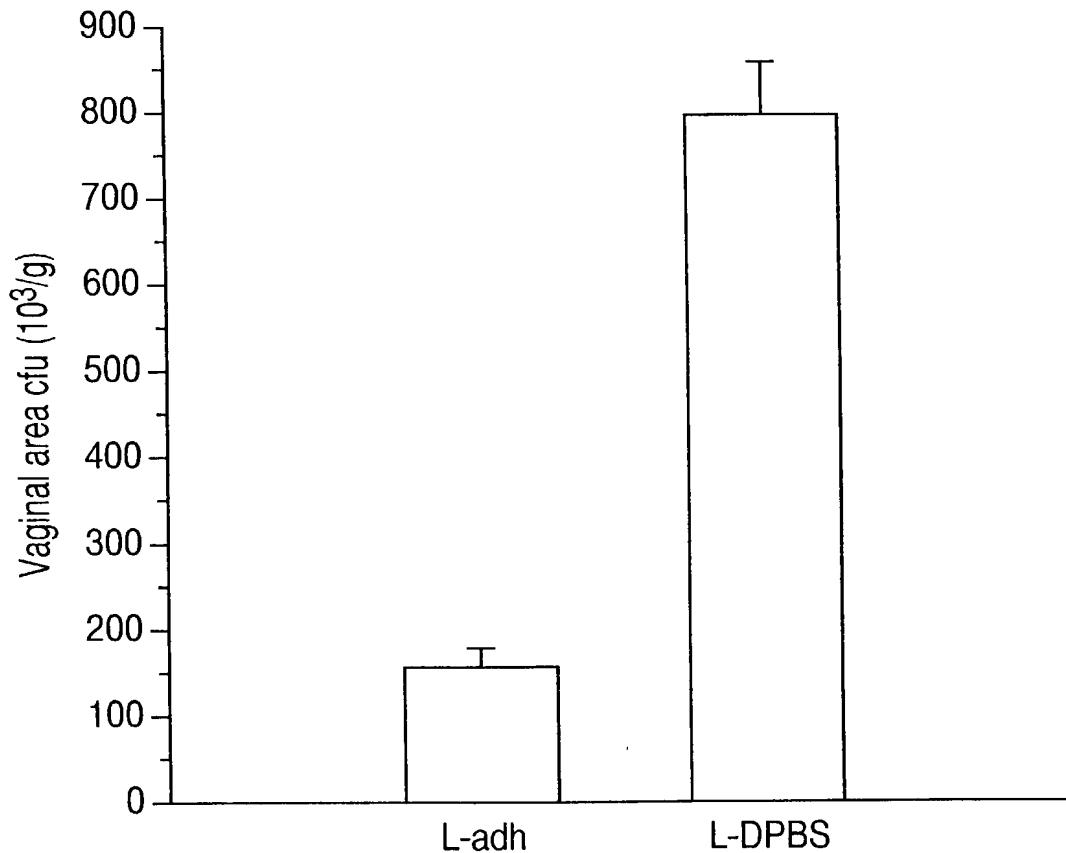
FIG. 20



2 - dNMR of B6.1 epitope

FIG. 21

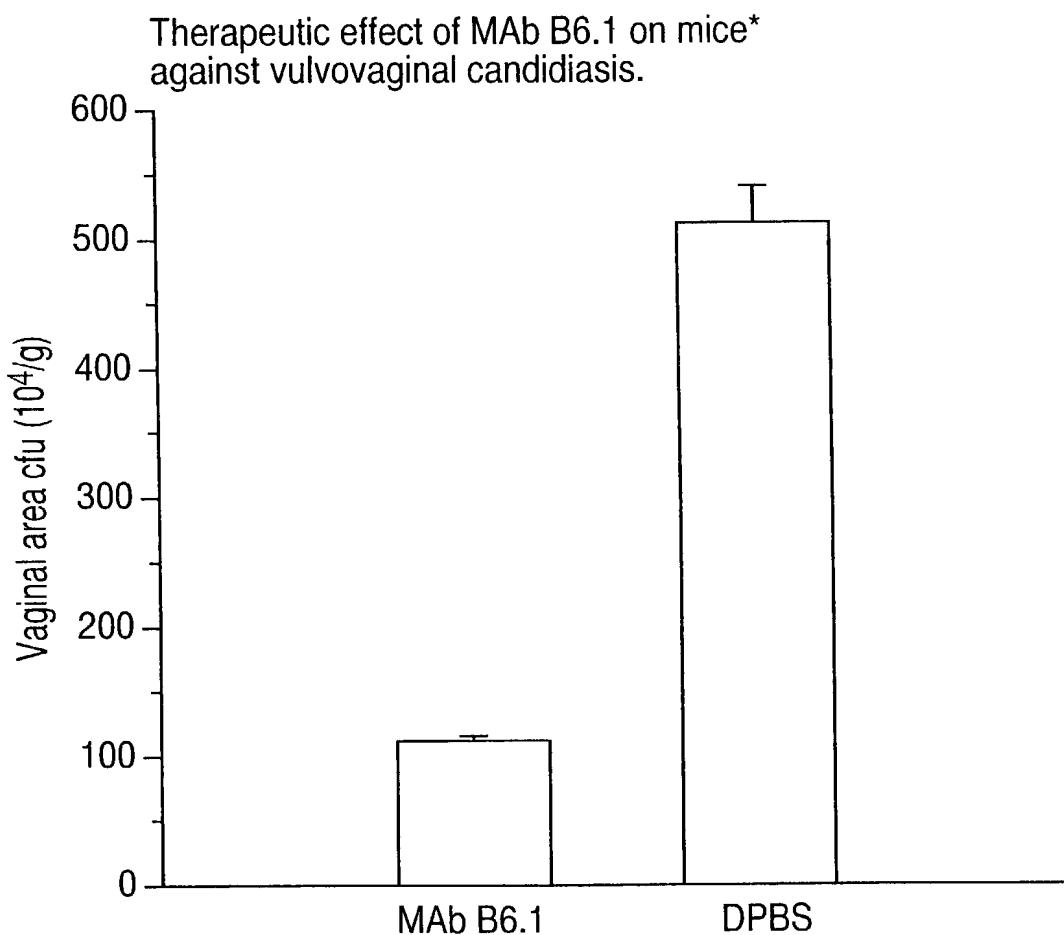
Therapeutic effect of liposome-2ME (L-adh) as a vaccine source on mice* against vulvovaginal candidiasis.



*Animals were infected with *C. albicans* one hr before vaccination.

**Mice were intravaginally infected with *Candida albicans* (5×10^5 /mouse) 1 hr before i.v. vaccine treatment. Seven days after the infection, vagina areas were collected, and cfu in the areas were measured.

FIG. 22

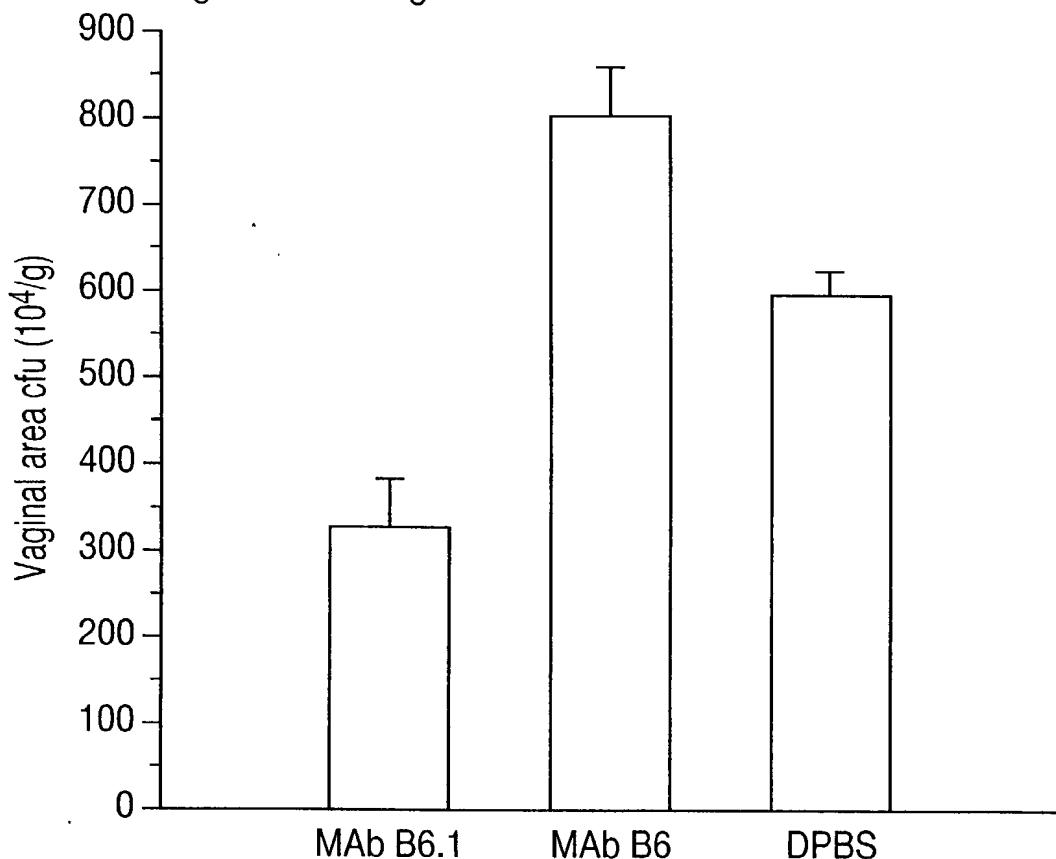


*Animals were infected with *C. albicans* one hr before antibody treatment.

T=0 5x10⁵/10µl lvg.
T=1h MAb B6.1 30µl undil 1280, 3.5 mg/ml
T=24h MAb B6.1 10µl
T=48h cfc

FIG. 23

Therapeutic effect of MAb B6.1 & B6 on mice*
against vulvovaginal candidiasis.



*Animals were infected with *C. albicans* four hrs before first antibody treatment.

T=0	Infect 5x10 ⁵ ivg	<u>MAb B6.1</u>	<u>MAb B6</u>
T=4h	MAb 30 μ l ivg	1280, 3.5mg/ml	640, 3.5mg/ml
T=24h	MAb 10 μ l		
T=48h	cfu		

FIG. 24

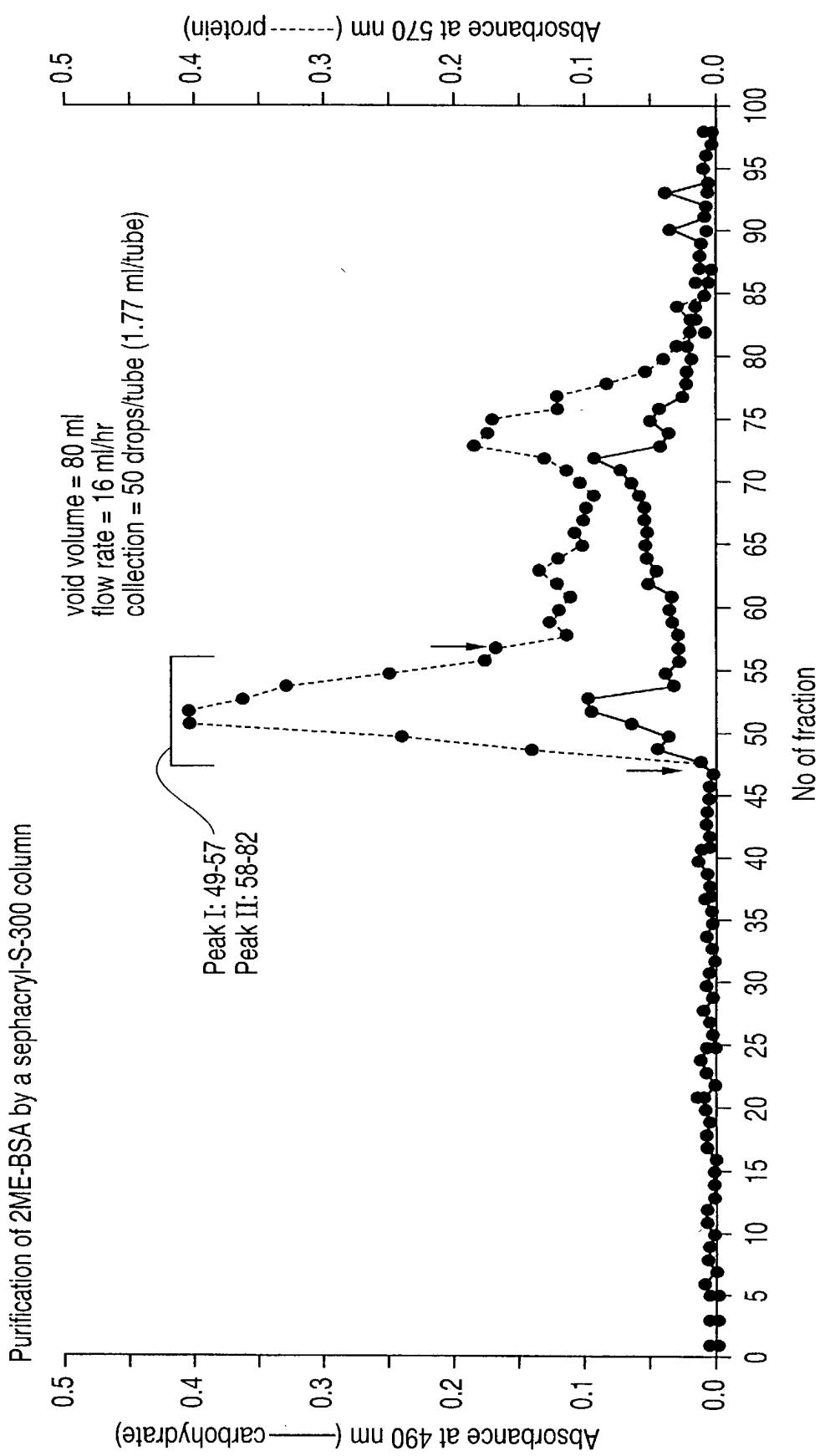


FIG. 25

